Fig. 1

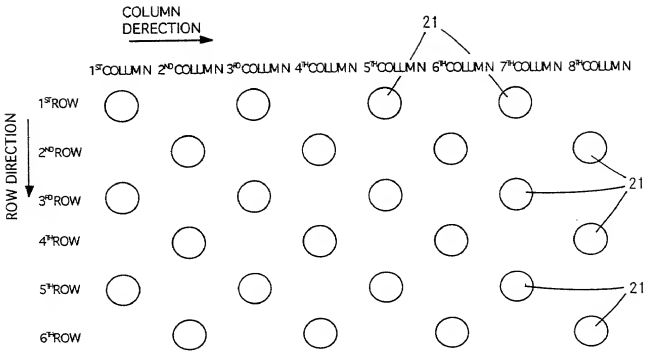

COLUMN
DERECTION
21
1ST COLUMN
2ND COLUMN
3RD COLUMN
4TH COLUMN
5TH COLUMN
6TH COLUMN
7TH COLUMN
8TH COLUMN
ROW DIRECTION
1ST ROW
2ND ROW
3RD ROW
4TH ROW
5TH ROW
6TH ROW
21
21

Fig.2

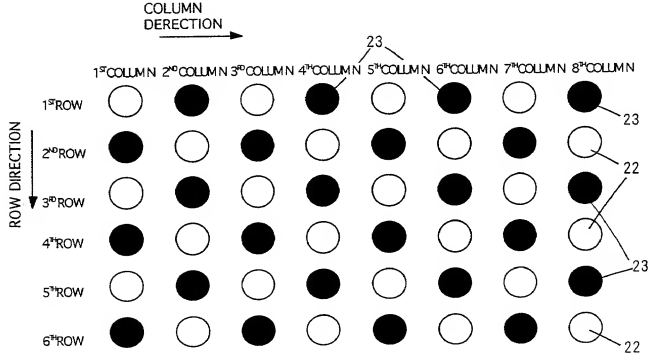

COLUMN
DERECTION
23
1ST COLUMN
2ND COLUMN
3RD COLUMN
4TH COLUMN
5TH COLUMN
6TH COLUMN
7TH COLUMN
8TH COLUMN
ROW DIRECTION
1ST ROW
2ND ROW
3RD ROW
4TH ROW
5TH ROW
6TH ROW
23
22
23
22

Fig. 3

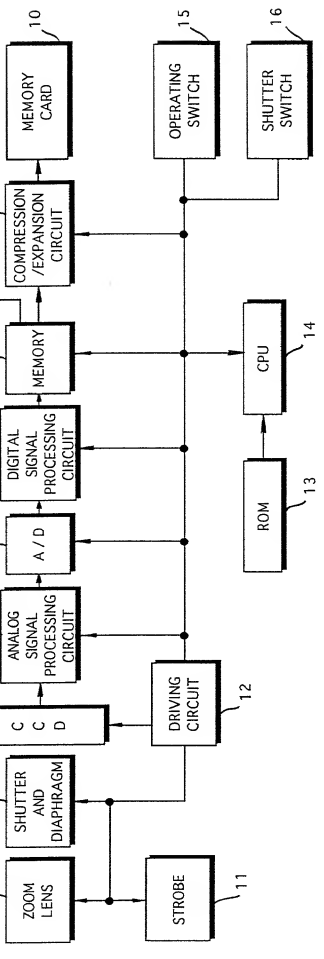
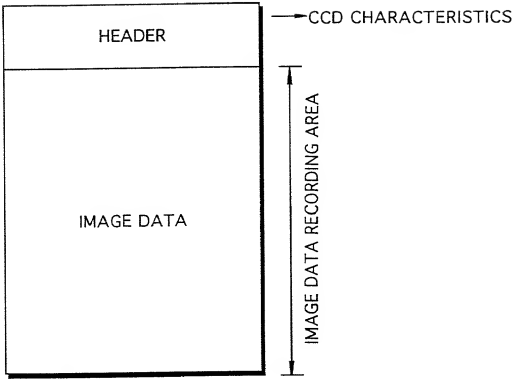

1
ZOOM LENS
2
SHUTTER AND DIAPHRAGM
3
C C D
4
ANALOG SIGNAL PROCESSING CIRCUIT
5
A / D
6
DIGITAL SIGNAL PROCESSING CIRCUIT
7
MEMORY
8
DISPLAY
9
COMPRESSION /EXPANSION CIRCUIT
10
MEMORY CARD
11
STROBE
12
DRIVING CIRCUIT
13
ROM
14
CPU
15
OPERATING SWITCH
16
SHUTTER SWITCH

Fig. 4

HONEYCOMB CCD CHARACTERISTICS

PROCESSING ITEM	CONTENT	PARAMETER
FLAW CORRECTION	FLAW TYPE	1
	CORRECTION EQUATION	{(X-1,Y)+(X+1,Y)}/2
	FLAW NUMBER	1
	FLAW LIST	(34,36)
	:	
BLACK CORRECTION	CORRECTION METHOD	OPTICAL BLACK
	CORRECTION AREA	(1080,1) - (1180,700)
	CORRECTION GREEN DATA	0 (NOT USED)
	:	
WHITE CORRECTION	DETECTED VALUE	1 (DAYTIME)
	GREEN CORRECTION DATA	0 (NOT USED)
	:	
GAMMA CORRECTION	MAXIMUM INPUT VALUE	4095
	GAMMA CORRECTION	0,0,0,1,1,···1023
SIGNAL GENERATION	PIXEL LAYOUT	1 (HONEYCOMB TYPE)
	INTER-PIXEL VALUE	45
	COLOR FILTER TYPE	0 (THREE PRIMARY COLOR)
	FILTER LAYOUT	3 (GRGB/GBGR)
	FILTER 1	0 (R)
	FILTER 1 LOW WAVELENGTH	500
	FILTER 1 HIGH WAVELENGTH	1070
	:	
APERTURE CORRECTION	MTF NUMBER	1
	LENS MTF POSITION	7
	MTF DATA	100,100,100,···0
	LENS POSITION	7
	LENS APERTURE	2.0
	ON-CHIP-LENS CURVATURE	100
	ON-CHIP-LENS REFRACTIVE INDEX	1.5
	INNER-LENS CURVATURE	200
	INNER-LENS REFRACTIVE INDEX	1.7
	PHOTODIODE APERTURE TYPE	1 (OCTOGONAL)
	PHOTODIODE APERTURE SIZE	3,3,3,3
MISCELLANEOUS	LENS FLAW TYPE	0
	:	

Fig. 5


HEADER
CCD CHARACTERISTICS
IMAGE DATA
IMAGE DATA RECORDING AREA